Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/07/2017 10:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124797	-1	1.56	124626	1.52
Blue	F	SSC	125000	123564	-2	3.10	123816	2.82
Blue	E	FITC	21625	21217	-2	2.41	947	9.66
Blue	D	PE	26832	26589	-1	1.97	956	9.37
Blue	B	PerCP-Cy5-5	48027	47571	-1	3.30	1357	16.22
Blue	A	PE-Cy7	40971	40575	-1	4.96	620	34.24
Red	C	APC	49746	49164	-2	2.77	2824	9.42
Red	A	APC-Cy7	53615	53163	-1	2.87	1101	11.02
Violet	B	V450	14488	13874	-5	4.75	664	9.31
Violet	A	V500	55123	53244	-4	4.58	2363	6.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19595	4.56	602	4	N/A	N/A	Pass
Blue	F	SSC	61561	1.44	532	-2	N/A	N/A	Pass
Blue	E	FITC	106	38.44	532	-4	0.0240	257	Pass
Blue	D	PE	208	27.97	528	-3	0.1770	245	Pass
Blue	B	PerCP-Cy5-5	214	42.75	623	-6	0.0111	89	Pass
Blue	A	PE-Cy7	69	111.89	673	-8	0.0129	12	Pass
Red	C	APC	331	27.42	589	-5	0.0206	64	Pass
Red	A	APC-Cy7	120	40.56	573	-7	0.0059	1891	Pass
Violet	B	V450	80	40.58	466	-5	0.0450	1586	Pass
Violet	A	V500	172	22.75	491	-5	0.0147	421	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.87	-31.31	0.85
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	16.75	13.27 - 19.91	N/A	N/A	31.33	31.79	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10000

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments